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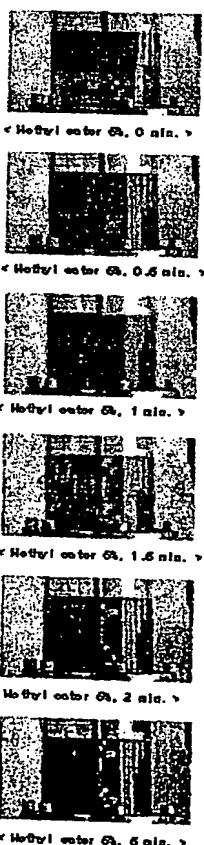
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[Continued on next page]

(54) Title: MANUFACTURING METHOD OF BIO-DIESEL OIL



(57) Abstract: The object of this invention is to provide a method of producing a bio-diesel oil in a great amount in a relatively short time, in which oil/fat and alcohol, used as reactants, are homogeneously mixed with each other to form a single liquid phase mixture which effectively react with each other. The method includes transesterifying the oil/fat and alcohol in the presence of alkyl ester. Additionally, in the method, alkyl ester is added to a mixture of the oil/fat and alcohol by refluxing alkyl ester as a product to the mixture. Furthermore, the method includes (a) an acidic catalyst, and (b) transesterifying the pre-esterified oil/fat with alcohol in the presence of alkyl ester.

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